

AFFINITY SELECTED SIGNATURE PEPTIDES FOR PROTEIN  
IDENTIFICATION AND QUANTIFICATION

Abstract

5 A method for protein identification in complex mixtures that utilizes  
affinity selection of constituent proteolytic peptide fragments unique to a protein  
analyte. These "signature peptides" function as analytical surrogates. Mass  
spectrometric analysis of the proteolyzed mixture permits identification of a  
protein in a complex sample without purifying the protein or obtaining its  
10 composite peptide signature.

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